

# CLAIMS

1. A photographed image display device comprising:

an LCD module including a graphic memory operable to store  
5 image data and an LCD operable to display an image based on  
the image data stored in the graphic memory;

a photographing unit operable to form an optical image  
of an object, convert the formed optical image into image data,  
and output the image data sequentially;

10 a transfer unit operable to receive the image data output  
from the photographing unit and transfer the image data to the  
graphic memory;

a storage medium operable to store image data;

a storage instruction receiving unit operable to receive  
15 a storage instruction to store the image data into the storage  
medium;

a judging unit operable to judge whether the transfer of  
the image data from the transfer unit to the graphic memory  
has been completed; and

20 a storing unit operable to, when the transfer has been  
completed, read the image data from the graphic memory according  
to the storage instruction, and store the read image data into

the storage medium.

2. A photographed image display device comprising:

a first LCD module and a second LCD module which each include  
5 a graphic memory operable to store image data and an LCD operable  
to display an image based on the image data stored in the graphic  
memory;

a photographing unit operable to form an optical image  
of an object, convert the formed optical image into image data,  
10 and output the image data sequentially;

a first transfer unit operable to receive the image data  
output from the photographing unit and transfer the image data  
to the graphic memory in the first LCD module;

a storage medium prestoring frame image data;

15 a judging unit operable to judge whether the transfer of  
the image data from the first transfer unit to the graphic memory  
in the first LCD module has been completed; and

a second transfer unit operable to, when the transfer has  
been completed, read the image data from the graphic memory  
20 in the first LCD module, combine the read image data and the  
frame image data so as to generate composite image data, and  
transfer the composite image data to the graphic memory in the

second LCD module.

3. The photographed image display device of Claim 2, further comprising:

5           a storage instruction receiving unit operable to receive a storage instruction to store the composite image data into the storage medium; and

          a storing unit operable to store the composite image data into the storage medium according to the storage instruction.

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4. A photographed image display method for a photographed image display device including (i) an LCD module including a graphic memory for storing image data and an LCD for displaying an image based on the image data stored in the graphic memory and (ii)  
15 a storage medium for storing image data, the photographed image display method comprising:

          a photographing step of forming an optical image of an object, converting the formed optical image into image data, and outputting the image data sequentially;

20           a transfer step of receiving the image data output in the photographing step and transferring the image data to the graphic memory;

a storage instruction receiving step of receiving a storage instruction to store the image data into the storage medium;

a judging step of judging whether the transfer of the image data to the graphic memory has been completed; and

5 a storing step of, when the transfer has been completed, reading the image data from the graphic memory according to the storage instruction, and storing the read image data into the storage medium.

10 5. A photographed image display method for a photographed image display device including (i) a first LCD module and a second LCD module each including a graphic memory for temporarily storing image data and an LCD for displaying the image data, and (ii) a storage medium prestoring frame image data, the  
15 photographed image display method comprising:

a photographing step of forming an optical image of an object, converting the formed optical image into image data, and outputting the image data sequentially;

a first transfer step of receiving the image data output  
20 in the photographing step and transferring the image data to the graphic memory in the first LCD module;

a judging step of judging whether the transfer of the image

data to the graphic memory in the first LCD module has been completed; and

a second transfer step of, when the transfer has been completed, reading the image data from the graphic memory in the first LCD module, combining the read image data and the frame image data so as to generate composite image data, and transferring the composite image data to the graphic memory in the second LCD module.

6. A mobile telephone including a photographed image display device, the photographed image display device comprising:

an LCD module including a graphic memory operable to store image data and an LCD operable to display an image based on the image data stored in the graphic memory;

a photographing unit operable to form an optical image of an object, convert the formed optical image into image data, and output the image data sequentially;

a transfer unit operable to receive the image data output from the photographing unit and transfer the image data to the graphic memory;

a storage medium operable to store image data;

a storage instruction receiving unit operable to receive

a storage instruction to store the image data into the storage medium;

a judging unit operable to judge whether the transfer of the image data from the transfer unit to the graphic memory

5 has been completed; and

a storing unit operable to, when the transfer has been completed, read the image data from the graphic memory according to the storage instruction, and store the read image data into the storage medium.

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7. A mobile telephone including a photographed image display device, the photographed image display device comprising:

a first LCD module and a second LCD module which each include a graphic memory operable to store image data and an LCD operable  
15 to display an image based on the image data stored in the graphic memory;

a photographing unit operable to form an optical image of an object, convert the formed optical image into image data, and output the image data sequentially;

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a first transfer unit operable to receive the image data output from the photographing unit and transfer the image data to the graphic memory in the first LCD module;

a storage medium prestoring frame image data;

a judging unit operable to judge whether the transfer of the image data from the first transfer unit to the graphic memory in the first LCD module has been completed; and

5        a second transfer unit operable to, when the transfer has been completed, read the image data from the graphic memory in the first LCD module, combine the read image data and the frame image data so as to generate composite image data, and transfer the composite image data to the graphic memory in the  
10    second LCD module.

8. A photographed image display program used for a photographed image display device including (i) an LCD module having a graphic memory for storing image data and an LCD for displaying an image  
15    based on the image data stored in the graphic memory and (ii) a storage medium for storing image data, the photographed image display program comprising:

      a photographing step of forming an optical image of an object, converting the formed optical image into image data,  
20    and outputting the image data sequentially;

      a transfer step of receiving the image data output in the photographing step and transferring the image data to the graphic

memory;

a storage instruction receiving step of receiving a storage instruction to store the image data into the storage medium;

a judging step of judging whether the transfer of the image data to the graphic memory has been completed; and

a storing step of, when the transfer has been completed, reading the image data from the graphic memory according to the storage instruction, and storing the read image data into the storage medium.

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9. A photographed image display program used for a photographed image display device including (i) a first LCD module and a second LCD module each having a graphic memory for temporarily storing image data and an LCD for displaying the image data, and (ii) a storage medium prestoring frame image data, the photographed image display program comprising:

a photographing step of forming an optical image of an object, converting the formed optical image into image data, and outputting the image data sequentially;

a first transfer step of receiving the image data output in the photographing step and transferring the image data to the graphic memory in the first LCD module;



a judging step of judging whether the transfer of the image data to the graphic memory in the first LCD module has been completed; and

5 a second transfer step of, when the transfer has been completed, reading the image data from the graphic memory in the first LCD module, combining the read image data and the frame image data so as to generate composite image data, and transferring the composite image data to the graphic memory in the second LCD module.